

**STATE OF NEW HAMPSHIRE
INTER-DEPARTMENT COMMUNICATION**

FROM: *AMO* Andrew O'Sullivan
Wetlands Program Manager

DATE: 8/1/2019

AT (OFFICE): Department of
Transportation

SUBJECT Dredge & Fill Application
Rollinsford, 41385

Bureau of
Environment

TO Craig Rennie, Inland Wetland Supervisor
New Hampshire Wetlands Bureau
29 Hazen Drive, P.O. Box 95
Concord, NH 03302-0095

Forwarded herewith is the application package prepared by NH DOT Bureau Aeronautics and TSMO for the subject major impact project. This project is classified as major per Env-Wt 303.02(c). The project is located on Portland Ave in the Town of Rollinsford, NH. The proposed work consists of reconstructing an existing non-directional navigational beacon.

This project was not reviewed at the Natural Resource Agency Coordination Meeting. A copy of this application and plans can be accessed on the Departments website via the following link: <http://www.nh.gov/dot/org/projectdevelopment/environment/units/program-management/wetland-applications.htm>

Mitigation is not required. Permanent wetland impacts do not exceed 10,000 SF.

The lead people to contact for this project are Carol Niewola, Bureau of Bridge Aeronautics (271-1674 or Carol.Niewola@dot.nh.gov) or Andrew O'Sullivan, Wetlands Program Manager, Bureau of Environment (271-3226 or Andrew.O'Sullivan@dot.nh.gov).

A payment voucher has been processed for this application (Voucher #4360565) in the amount of \$7,853.20.

If and when this application meets with the approval of the Bureau, please send the permit directly to Andrew O'Sullivan, Wetlands Program Manager, Bureau of Environment.

AMO:sel
Enclosures

cc:
BOE Original
Town of Rollinsford (4 copies via certified mail)
David Trubey, NH Division of Historic Resources (Cultural Review Within)
Carol Henderson, NH Fish & Game (via electronic notification)
Maria Tur, US Fish & Wildlife (via electronic notification)
Mark Kern, US Environmental Protection Agency (via electronic notification)
Michael Hicks, US Army Corp of Engineers (via electronic notification)
Kevin Nyhan, BOE (via electronic notification)



WETLANDS PERMIT APPLICATION

Water Division/ Wetlands Bureau

Land Resources Management

Check the status of your application: www.des.nh.gov/onestop



RSA/Rule: [RSA 482-A/ Env-Wt 100-900](#)

Administrative Use Only	Administrative Use Only	Administrative Use Only	File No.
			Check No.
			Amount
			Initials

1. REVIEW TIME: Indicate your Review Time below. To determine review time, refer to [Guidance Document A](#) for instructions.

☒ Standard Review (Minimum, Minor or Major Impact)

☐ Expedited Review (Minimum Impact only)

2. MITIGATION REQUIREMENT:

If mitigation is required, a Mitigation-Pre Application meeting must occur prior to submitting this Wetlands Permit Application. To determine if mitigation is required, please refer to the [Determine if Mitigation is Required Frequently Asked Questions](#).

Mitigation Pre-Application Meeting Date: Month: ___ Day: ___ Year: ___

☒ N/A - Mitigation is not required

3. PROJECT LOCATION:

Separate wetland permit applications must be submitted for each municipality within which wetland impacts occur.

ADDRESS: **816 Portland Ave.**

TOWN/CITY: **Rollinsford**

TAX MAP: **4**

BLOCK:

LOT: **18-0**

UNIT:

USGS TOPO MAP WATERBODY NAME:

☒ NA

STREAM WATERSHED SIZE:

☒ NA

LOCATION COORDINATES (if known): **120771.626, 263593.853**

☐ Latitude/Longitude ☐ UTM ☒ State Plane

4. PROJECT DESCRIPTION:

Provide a brief description of the project outlining the scope of work. Attach additional sheets as needed to provide a detailed explanation of your project. DO NOT reply "See Attached" in the space provided below.

Reconstruction of an existing non-directional navigational beacon by the New Hampshire Department of Transportation (NHDOT) Aeronautics Bureau. This project will include moving and replacing the existing non-directional beacon shed and associated appurtenances for the Skyhaven Airport. Additional work includes tree clearing and grubbing.

5. SHORELINE FRONTAGE:

☒ N/A This does not have shoreline frontage.

SHORELINE FRONTAGE:

Shoreline Frontage is calculated by determining the average of the distances of the actual natural navigable shoreline frontage and a straight line drawn between the property lines, both of which are measured at the normal high water line ([Env-Wt 101.89](#)).

6. RELATED NHDES LAND RESOURCES MANAGEMENT PERMIT APPLICATIONS ASSOCIATED WITH THIS PROJECT:

Please indicate if any of the following permit applications are required and, if required, the status of the application.

To determine if other Land Resources Management Permits are required, refer to the [Land Resources Management Webpage](#).

Permit Type	Permit Required	File Number	Permit Application Status
Alteration of Terrain Permit Per RSA 485-A:17	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	_____	<input type="checkbox"/> APPROVED <input type="checkbox"/> PENDING <input type="checkbox"/> DENIED
Individual Sewerage Disposal per RSA 485-A:2	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	_____	<input type="checkbox"/> APPROVED <input type="checkbox"/> PENDING <input type="checkbox"/> DENIED
Subdivision Approval Per RSA 485-A	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	_____	<input type="checkbox"/> APPROVED <input type="checkbox"/> PENDING <input type="checkbox"/> DENIED
Shoreland Permit Per RSA 483-B	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	_____	<input type="checkbox"/> APPROVED <input type="checkbox"/> PENDING <input type="checkbox"/> DENIED

7. NATURAL HERITAGE BUREAU & DESIGNATED RIVERS:

See the [Instructions & Required Attachments](#) document for instructions to complete a & b below.

a. Natural Heritage Bureau File ID: NHB **19** - **0502**

b. ☐ This project is within a [Designated River](#) corridor. The project is within ¼ mile of: _____; and date a copy of the application was sent to the [Local River Management Advisory Committee](#): Month: ___ Day: ___ Year: ___

☒ N/A - This project is not within a Designated River corridor.

lrn@des.nh.gov or (603) 271-2147

NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095

www.des.nh.gov

8. APPLICANT INFORMATION (Desired permit holder)LAST NAME, FIRST NAME, M.I.: **NH Dept. of Transportation**TRUST / COMPANY NAME: **NH Dept. of Transportation**MAILING ADDRESS: **PO BOX 483**TOWN/CITY: **Concord**STATE: **NH**ZIP CODE: **03302**EMAIL or FAX: **Tricia.Lambert@dot.nh.gov**PHONE: **603-271-1674**

ELECTRONIC COMMUNICATION: By initialing here: _____, I hereby authorize NHDES to communicate all matters relative to this application electronically.

9. PROPERTY OWNER INFORMATION (If different than applicant)LAST NAME, FIRST NAME, M.I.: **NH Dept. of Transportation**TRUST / COMPANY NAME: **NH Dept. of Transportation**MAILING ADDRESS: **PO BOX 483**TOWN/CITY: **Concord**STATE: **NH**ZIP CODE: **03302**EMAIL or FAX: **Andrew.O'Sullivan@dot.nh.gov**PHONE: **603-271-3226**

ELECTRONIC COMMUNICATION: By initialing here: _____, I hereby authorize NHDES to communicate all matters relative to this application electronically.

10. AUTHORIZED AGENT INFORMATION

LAST NAME, FIRST NAME, M.I.:

COMPANY NAME:

MAILING ADDRESS:

TOWN/CITY:

STATE:

ZIP CODE:

EMAIL or FAX:

PHONE:

ELECTRONIC COMMUNICATION: By initialing here: _____, I hereby authorize NHDES to communicate all matters relative to this application electronically.

11. PROPERTY OWNER SIGNATURE:See the [Instructions & Required Attachments](#) document for clarification of the below statements

By signing the application, I am certifying that:

1. I authorize the applicant and/or agent indicated on this form to act in my behalf in the processing of this application, and to furnish upon request, supplemental information in support of this permit application.
2. I have reviewed and submitted information & attachments outlined in the [Instructions and Required Attachment](#) document.
3. All abutters have been identified in accordance with RSA 482-A:3, I and Env-Wt 100-900.
4. I have read and provided the required information outlined in Env-Wt 302.04 for the applicable project type.
5. I have read and understand Env-Wt 302.03 and have chosen the least impacting alternative.
6. Any structure that I am proposing to repair/replace was either previously permitted by the Wetlands Bureau or would be considered grandfathered per Env-Wt 101.47.
7. I have submitted a Request for Project Review (RPR) Form (www.nh.gov/nhdhr/review) to the NH State Historic Preservation Officer (SHPO) at the NH Division of Historical Resources to identify the presence of historical/ archeological resources while coordinating with the lead federal agency for National Historic Preservation Act (NHPA) 106 compliance.
8. I authorize NHDES and the municipal conservation commission to inspect the site of the proposed project.
9. I have reviewed the information being submitted and that to the best of my knowledge the information is true and accurate.
10. I understand that the willful submission of falsified or misrepresented information to the NHDES is a criminal act, which may result in legal action.
11. I am aware that the work I am proposing may require additional state, local or federal permits which I am responsible for obtaining.
12. The mailing addresses I have provided are up to date and appropriate for receipt of NHDES correspondence. NHDES will not forward returned

Property Owner Signature

Tricia L. Schoeneck Lambert

Print name legibly

Date

7/30/19lrn@des.nh.gov or (603) 271-2147

NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095

www.des.nh.gov

MUNICIPAL SIGNATURES

12. CONSERVATION COMMISSION SIGNATURE

The signature below certifies that the municipal conservation commission has reviewed this application, and:

1. Waives its right to intervene per RSA 482-A:11;
2. Believes that the application and submitted plans accurately represent the proposed project; and
3. Has no objection to permitting the proposed work.

	Print name legibly	Date
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DIRECTIONS FOR CONSERVATION COMMISSION

1. Expedited review **ONLY** requires that the conservation commission's signature is obtained in the space **above**.
2. Expedited review requires the Conservation Commission signature be obtained **prior** to the submittal of the original application to the Town/City Clerk for signature.
3. The Conservation Commission may refuse to sign. If the Conservation Commission does not sign this statement for any reason, the application is not eligible for expedited review and the application will be reviewed in the standard review time frame.

13. TOWN / CITY CLERK SIGNATURE

As required by Chapter 482-A:3 (amended 2014), I hereby certify that the applicant has filed four application forms, four detailed plans, and four USGS location maps with the town/city indicated below.

	Print name legibly	Town/City	Date
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DIRECTIONS FOR TOWN/CITY CLERK:

Per RSA 482-A:3,I

1. For applications where "Expedited Review" is checked on page 1, if the Conservation Commission signature is not present, NHDES will accept the permit application, but it will NOT receive the expedited review time.
2. IMMEDIATELY sign the original application form and four copies in the signature space provided above;
3. Return the signed original application form and attachments to the applicant so that the applicant may submit the application form and attachments to NHDES by mail or hand delivery.
4. IMMEDIATELY distribute a copy of the application with one complete set of attachments to each of the following bodies: the municipal Conservation Commission, the local governing body (Board of Selectmen or Town/City Council), and the Planning Board; and
5. Retain one copy of the application form and one complete set of attachments and make them reasonably accessible for public review.

DIRECTIONS FOR APPLICANT:

1. Submit the single, original permit application form bearing the signature of the Town/ City Clerk, additional materials, and the application fee to NHDES by mail or hand delivery.

lrn@des.nh.gov or (603) 271-2147

NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095

www.des.nh.gov

14. IMPACT AREA:

For each jurisdictional area that will be/has been impacted, provide square feet and, if applicable, linear feet of impact.

Permanent: impacts that will remain after the project is complete.

Temporary: impacts not intended to remain (and will be restored to pre-construction conditions) after the project is completed.

Intermittent Streams: linear footage distance of disturbance is measured along the thread of the channel.

Perennial Streams/ Rivers: the total linear footage distance is calculated by summing the lengths of disturbance to the channel and each bank.

JURISDICTIONAL AREA	PERMANENT Sq. Ft. / Lin. Ft.	TEMPORARY Sq. Ft. / Lin. Ft.
Forested wetland	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Scrub-shrub wetland	329 <input type="checkbox"/> ATF	13808 <input type="checkbox"/> ATF
Emergent wetland	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Wet meadow	<input type="checkbox"/> ATF	25129 <input type="checkbox"/> ATF
Intermittent stream channel	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Perennial Stream / River channel	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Lake / Pond	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Bank - Intermittent stream	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Bank - Perennial stream / River	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Bank - Lake / Pond	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Tidal water	/ <input type="checkbox"/> ATF	/ <input type="checkbox"/> ATF
Salt marsh	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Sand dune	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Prime wetland	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Prime wetland buffer	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Undeveloped Tidal Buffer Zone (TBZ)	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Previously-developed upland in TBZ	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Docking - Lake / Pond	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Docking - River	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Docking - Tidal Water	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
Vernal Pool	<input type="checkbox"/> ATF	<input type="checkbox"/> ATF
TOTAL	329 /	38937 /

15. APPLICATION FEE: See the [Instructions & Required Attachments](#) document for further instruction

☐ Minimum Impact Fee: Flat fee of \$ 200

☒ Minor or Major Impact Fee: Calculate using the below table below

Permanent and Temporary (non-docking) 39266 sq. ft. X \$0.20 = \$ 7,853.20

Temporary (seasonal) docking structure: sq. ft. X \$1.00 = \$

Permanent docking structure: sq. ft. X \$2.00 = \$

Projects proposing shoreline structures (including docks) add \$200 = \$

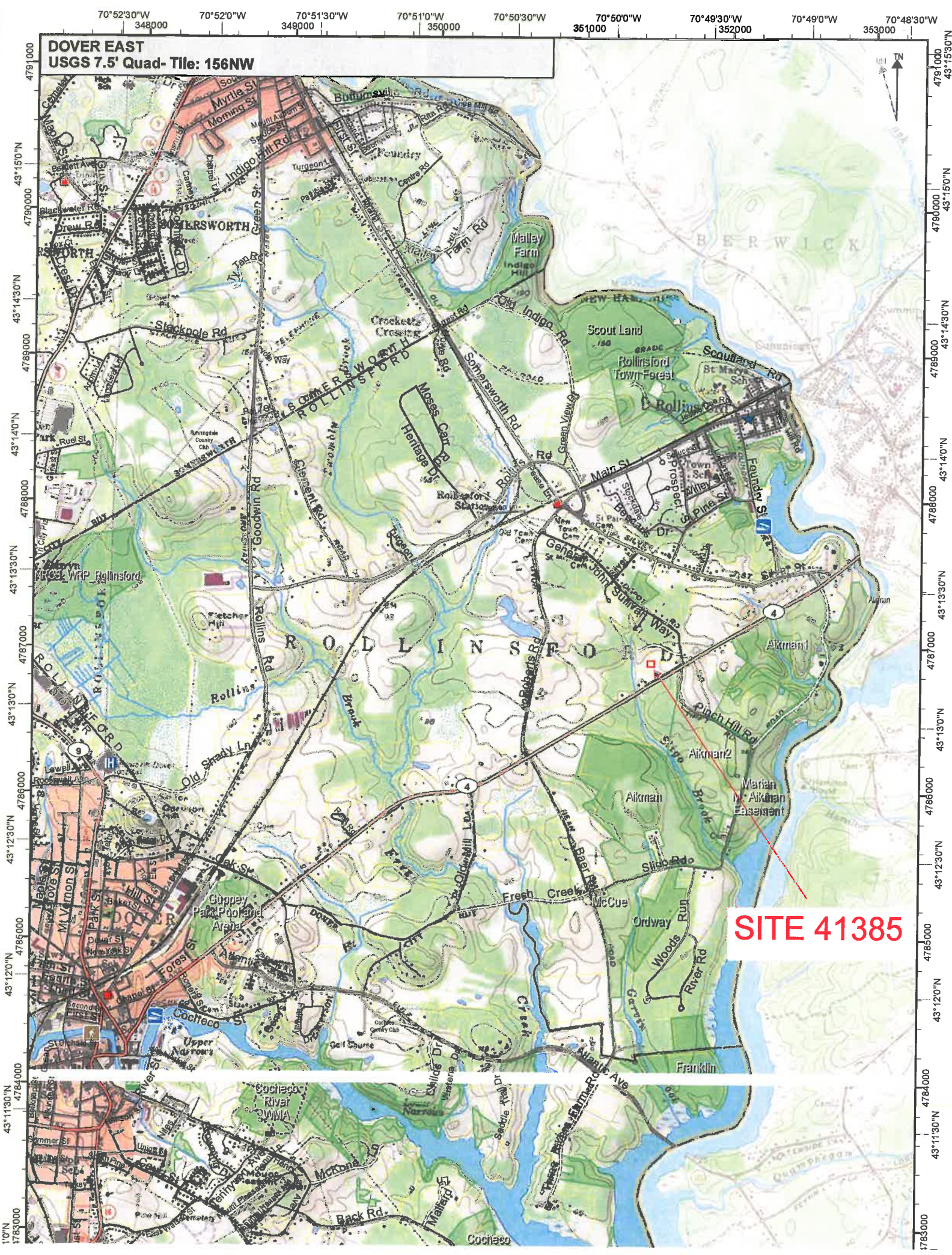
Total = \$ 7,853.20

The Application Fee is the above calculated Total or \$200, whichever is greater = \$ 7,853.20

lrn@des.nh.gov or (603) 271-2147

NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095

www.des.nh.gov



SITE 41385



WETLANDS PERMIT APPLICATION – ATTACHMENT A
MINOR AND MAJOR - 20 QUESTIONS
 Land Resources Management
 Wetlands Bureau

Check the Status of your application: www.des.nh.gov/onestop



RSA/ Rule: RSA 482-A, Env-Wt 100-900

Env-Wt 302.04 Requirements for Application Evaluation - For any major or minor project, the applicant shall demonstrate by plan and example that the following factors have been considered in the project's design in assessing the impact of the proposed project to areas and environments under the department's jurisdiction. Respond with statements demonstrating:

1. The need for the proposed impact.

The aging existing non-directional beacon shed for the Skyhaven Airport requires reconstruction by the New Hampshire Department of Transportation (NHDOT) Aeronautics Bureau. This project will include moving and replacing the existing non-directional beacon shed for the airport. This project also involves maintenance to the existing right-of-way (ROW) access road, grubbing and clearing, interception and replacement of communication conduit, ground plane, grounding, and power lines in order to fully connect the replacement non-directional beacon shed. See attached plan.

2. That the alternative proposed by the applicant is the one with the least impact to wetlands or surface waters on site.

This project involves reconstruction of an aging, existing navigational beacon shed for the Skyhaven Airport that was believed to be constructed on the site in the 1980's. Please see attached wetlands report for further information. The existing non-directional beacon shed will be replaced and moved closer to where the power line enters the property. See attached plan.

lrn@des.nh.gov or (603) 271-2147

NHDES Wetlands Bureau, 29 Hazen Drive, PO Box 95, Concord, NH 03302-0095

www.des.nh.gov

3. The type and classification of the wetlands involved.

The type of wetlands in this area primarily consists of wet field (PEM2B) and scrub-shrub wetlands (PSS1B). See attached wetlands report for further information.

4. The relationship of the proposed wetlands to be impacted relative to nearby wetlands and surface waters.

The wetlands impacted are associated with a wet field. Impacts associated with the project will not negatively affect nearby wetlands and surface waters.

5. The rarity of the wetland, surface water, sand dunes, or tidal buffer zone area.

The wetlands within the project limits are common throughout the state.

6. The surface area of the wetlands that will be impacted.

PSS1B: 329 square feet of permanent impact and 13808 square feet of temporary impact.

PEM2B: 25129 square feet of temporary impact.

See attached plan.

7. The impact on plants, fish and wildlife including, but not limited to:

- a. Rare, special concern species;
- b. State and federally listed threatened and endangered species;
- c. Species at the extremities of their ranges;
- d. Migratory fish and wildlife;
- e. Exemplary natural communities identified by the DRED-NHB; and
- f. Vernal pools.

This area consists of fallow or low-use agricultural land that is in varying states of succession due to reduced use over the years.

- a. The Natural Heritage Bureau (NHB) through their data check tool identified the American Eel, a species of concern, as a potential concern. Since there are no streams within the project limits no surface waters will be directly impacted by the proposed work therefore, adverse effects to American Eel are not anticipated.
- b. NHB identified the state endangered New England Cottontail (NEC) as a species of concern within the vicinity of the project. A site visit was conducted with Brett Ferry, NH Fish & Game biologist, on April 2nd to survey the site and discuss conservation strategies. The scrubby/ wooded area along Portland Ave is suitable habitat for NEC. NHF&G advised that completing the work as planned in the fall is good timing because it avoids the summer nesting season and won't cause rabbits to move in the winter when they are most vulnerable to predators. One conservation recommendation was to create brush piles along the shrubby/ wooded edge as added habitat. US Fish and Wildlife Services identified the federally listed Northern Long-eared bat as a species with critical habitat within the project. The project adheres to the criteria and conditions of the streamlined 4(d) rule consultation. The project would not result in any prohibited take of NLEB. (consistency letter included with IPaC results)
- c. No species at the extremities of their range were identified by NHB.
- d. No migratory fish or wildlife were identified by the NHB data check tool.
- e. No exemplary natural communities were identified by NHB.
- f. No vernal pools were identified within the project area.

8. The impact of the proposed project on public commerce, navigation and recreation.

This project will serve to improve public commerce, navigation, and recreation because it is improving aging airport infrastructure before it fails. See attached plan.

9. The extent to which a project interferes with the aesthetic interests of the general public. For example, where an applicant proposes the construction of a retaining wall on the bank of a lake, the applicant shall be required to indicate the type of material to be used and the effect of the construction of the wall on the view of other users of the lake.

This project involves the replacement and moving of an ageing shed. The shed will be replaced, thus improving aesthetics.

10. The extent to which a project interferes with or obstructs public rights of passage or access. For example, where the applicant proposes to construct a dock in a narrow channel, the applicant shall be required to document the extent to which the dock would block or interfere with the passage through this area.

This project is located on State-owned property and does not allow public access. Please see attached plan.

11. The impact upon abutting owners pursuant to RSA 482-A:11, II. For example, if an applicant is proposing to rip-rap a stream, the applicant shall be required to document the effect of such work on upstream and downstream abutting properties.

This project's footprint will be within the right of way access and the State's property. Appropriate and necessary accommodations will be made to keep material onsite and to reduce runoff using appropriate erosion control measures and as required for this project.

12. The benefit of a project to the health, safety, and well-being of the general public.

This project will serve to improve health, safety, and well-being of the general public because it is improving aging airport infrastructure before it fails.

13. The impact of a proposed project on quantity or quality of surface and ground water. For example, where an applicant proposes to fill wetlands the applicant shall be required to document the impact of the proposed fill on the amount of drainage entering the site versus the amount of drainage exiting the site and the difference in the quality of water entering and exiting the site.

Best Management practices will be in place during construction to minimize erosion and any adverse effect on water quality during construction. The project does not directly impact any surface waters. Stormwater will continue to drain through the wetlands in the same manner it does today.

14. The potential of a proposed project to cause or increase flooding, erosion, or sedimentation.

The proposed project will not cause or increase flooding erosion or sedimentation. The project does not directly impact any surface water nor will it change the way stormwater drains through the wetlands. The area of proposed tree clearing will be stabilized with humus and seed to prevent erosion and sedimentation of the wetland surrounding the proposed impact area.

15. The extent to which a project that is located in surface waters reflects or redirects current or wave energy which might cause damage or hazards.

Not applicable. This project does not impact surface water.

16. The cumulative impact that would result if all parties owning or abutting a portion of the affected wetland or wetland complex were also permitted alterations to the wetland proportional to the extent of their property rights. For example, an applicant who owns only a portion of a wetland shall document the applicant's percentage of ownership of that wetland and the percentage of that ownership that would be impacted.

To the best of the Department's knowledge it is not anticipated that any abutters intend to propose work in this area that would impact the affected wetlands in this project.

17. The impact of the proposed project on the values and functions of the total wetland or wetland complex.

The proposed project will not impact the current functions and values of the wetland. The emergent and scrub-shrub wetlands serve the following functions and values: stormwater storage, sediment removal/retention, and nutrient removal/retention/transformation.

18. The impact upon the value of the sites included in the latest published edition of the National Register of Natural Landmarks, or sites eligible for such publication.

This project is not located in or near any Natural Landmarks listed on the National Register.

19. The impact upon the value of areas named in acts of congress or presidential proclamations as national rivers, national wilderness areas, national lakeshores, and such areas as may be established under federal, state, or municipal laws for similar and related purposes such as estuarine and marine sanctuaries.

The proposed project is not within any areas named in acts of Congress or presidential proclamations.

20. The degree to which a project redirects water from one watershed to another.

The project does not directly impact surface water. The project will not redirect water from one watershed to another.

Additional comments

CONFIDENTIAL – NH Dept. of Environmental Services review

Memo



NH NATURAL HERITAGE BUREAU
NHB DATACHECK RESULTS LETTER

To: Sarah Large, NH Department of Transportation
7 Hazen Drive
Concord, NH 03301

From: Amy Lamb, NH Natural Heritage Bureau
Date: 2/12/2019 (valid for one year from this date)
Re: Review by NH Natural Heritage Bureau

NHB File ID: NHB19-0502 Town: Rollinsford Location: 816 Portland Ave Rollinsford, NH
Description: Reconstruction of an existing non-directional navigational beacon including the replacement of the ground plane, replacement of associated aperturancances, relocation of the beacon shed, and tree clearing and grubbing.
cc: Kim Tuttle

As requested, I have searched our database for records of rare species and exemplary natural communities, with the following results.

Comments: Contact the NH Fish & Game Department to address wildlife concerns.

Vertebrate species	State ¹	Federal	Notes
American Eel (<i>Anguilla rostrata</i>)	SC	--	Contact the NH Fish & Game Dept (see below).
New England Cottontail (<i>Sylvilagus transitionalis</i>)	E	--	Contact the NH Fish & Game Dept (see below).

¹Codes: "E" = Endangered, "T" = Threatened, "SC" = Special Concern, "--" = an exemplary natural community, or a rare species tracked by NH Natural Heritage that has not yet been added to the official state list. An asterisk (*) indicates that the most recent report for that occurrence was more than 20 years ago.

Contact for all animal reviews: Kim Tuttle, NH F&G, (603) 271-6544.

A negative result (no record in our database) does not mean that a sensitive species is not present. Our data can only tell you of known occurrences, based on information gathered by qualified biologists and reported to our office. However, many areas have never been surveyed, or have only been surveyed for certain species. An on-site survey would provide better information on what species and communities are indeed present.

Large, Sarah

From: Large, Sarah
Sent: Friday, June 28, 2019 10:09 AM
To: Ferry, Brett
Cc: Holman, Heidi
Subject: RE: NHDOT Rollinsford, 41385 NEC Coordination

Hi Brett.

Thank you for making that correction and for the clarification! I will coordinate with the project team about the opportunity to create brush piles in the shrubby/ wooded area.

Best wishes,

Sarah Large

From: Ferry, Brett
Sent: Thursday, June 27, 2019 9:33 AM
To: Large, Sarah
Cc: Holman, Heidi
Subject: RE: NHDOT Rollinsford, 41385 NEC Coordination

Hi Sarah,

Just one correction highlighted in red. I forget how the conversation went but I think we were talking about dispersal in late summer fall into winter shrub cover. We usually use migration to mean long distance movement such as flying south for the winter, so just a wording change. Fall is a good time to do the work as we want to avoid the summer nesting season and don't want to be causing rabbits to move in winter when they are most vulnerable in the snow. If there is an opportunity to create brush piles in the shrubby or wooded areas on the edge that would be excellent.

Let me know if you have other questions,

Brett

From: Large, Sarah
Sent: Tuesday, June 25, 2019 2:03 PM
To: Ferry, Brett
Cc: Holman, Heidi
Subject: RE: NHDOT Rollinsford, 41385 NEC Coordination

Hi Brett,

I am following up on my email from June 11th hoping to close the loop on our coordination regarding NEC.

Best wishes,

Sarah Large

From: Large, Sarah
Sent: Tuesday, June 11, 2019 2:52 PM
To: Ferry, Brett
Cc: Holman, Heidi
Subject: RE: NHDOT Rollinsford, 41385 NEC Coordination

Good afternoon Brett,

Thank you again for going out in the field with Heidi Lemay and I back on April 2nd to do a site walk and review. I apologize that I am just following up from that day.

While we were out on site we learned (in a phone call with the project manager) that the majority of the tree clearing and grubbing had already been completed. It was my understanding that no further clearing would occur in the scrub shrub area in the southern section of the parcel and the only clearing that still needed to be completed was clearing the very large trees surrounding the existing shed in the center of the parcel. (see the attached photos). I was surprised to learn that the clearing had been done so my apologies.

From looking at my notes from the site visit prior to learning that the clearing was mostly done I see that we talked about limiting grubbing and our ability to replant within areas and or when we trim trees to create brush piles as habitat for the cottontails. We also discussed that midsummer is the nesting season for females and young, and that winter is the migration period. As mentioned, the last grubbing will be the trees in the center of the parcel. The project team does not currently plan on replanting anything however it is anticipated that vegetation will regrow within the scrub shrub area on its own. The vegetation surrounding the new shed will be maintained (trimmed/ cleared) in order to maintain access to the shed but the surrounding vegetation will be allowed to grow back likely with some trimming occasionally but not clearing.

Base on the timeline that we are on right now, it is my understanding that the work will be done this fall.

We are ready to submit our wetlands permit application to NHDES so I am hopeful to close to loop with you. Do you have any further recommendations or concerns regarding the proposed project?

Please let me know if I can answer any other questions or provide any other details.

Best wishes,

Sarah Large

From: Ferry, Brett
Sent: Monday, April 01, 2019 3:14 PM
To: Large, Sarah
Cc: Lemay, Heidi; Holman, Heidi; Siik, Lucas
Subject: RE: NHDOT Rollinsford, 41385 NEC Coordination

Yes I'll see you at 10 tomorrow

From: Large, Sarah
Sent: Monday, April 01, 2019 3:12 PM
To: Ferry, Brett
Cc: Lemay, Heidi; Holman, Heidi; Siik, Lucas
Subject: RE: NHDOT Rollinsford, 41385 NEC Coordination

Good afternoon Brett,

Thank you for reaching out! I am checking in with project manager about if we own the property or we have easements. I would be happy to join you or Bret for a field visit to the site regardless. I have also asked the project manager if they would be willing to join as they are the most familiar with the site and proposed work. Are we able to do this review with snow on the ground?

I will be in touch once I have heard back from the project manager.

Sarah

From: Holman, Heidi
Sent: Thursday, February 21, 2019 2:20 PM
To: Large, Sarah
Cc: Tuttle, Kim
Subject: RE: NHDOT Rollinsford, 41385 NEC Coordination

Hi Sarah,

My name is Heidi Holman, I am the biologist coordinating recovery efforts for New England cottontail for the Department. Given the proximity of the site to known location of the rabbit I would like to do a quick survey on the ground to review impacts.

I am unclear if the entire project is under easement on some else's property, if so would you be able to schedule a day to join myself or my colleague Bret Ferry on the visit?

Thanks
Heidi

From: Tuttle, Kim
Sent: Friday, February 15, 2019 11:50 AM
To: Holman, Heidi
Subject: FW: NHDOT Rollinsford, 41385 NEC Coordination

Hi Heidi- another one!

From: Large, Sarah
Sent: Thursday, February 14, 2019 1:27 PM
To: Tuttle, Kim
Subject: NHDOT Rollinsford, 41385 Vertebrate Species Coordination

Good afternoon Kim,

Earlier this week I received the attached NHB data check report (NHB19-0502) which indicates records for the American Eel and the New England Cottontail in the vicinity of the NHDOT Rollinsford, 41385 project.

The proposed project is the reconstruction of an existing non-directional navigational beacon in Rollinsford association with the Skyhaven Airport in Rochester. The proposed work entails replacing the ground plane (a flat horizontal conducting surface installed in the ground), replacing associated appurtenances, and relocating the associated shed that houses the equipment for the beacon. In order to access the ground plane the trees on top of and adjacent to the existing plane will be cleared and grubbed. The site is a mix of uplands, wet emergent fields, and scrub-shrub wetlands (see attached wetland delineation report). There will be minimal permanent wetland impacts due to the construction of the new shed and temporary impacts for access, tree clearing, removal of the existing beacon and installing the new system. Best Management practices will be implemented to avoid sedimentation and erosion of the surrounding wetlands. Attached is a location map, photos of the site, and the site plan.

Based on the proposed work do you have concerns related to the American Eel and New England Cottontail? Since there are no streams within the project limits no surface waters will be directly impacted by the proposed work therefore, I don't anticipate any adverse effects to American Eel. Do you believe the site is suitable habitat for New England Cottontail ?

Please let me know if you have any questions or if I could provide you with any other information.

Thank you for the help!

Sarah Large
Wetlands Program Analyst
NH Department of Transportation
Bureau of Environment



United States Department of the Interior

FISH AND WILDLIFE SERVICE
New England Ecological Services Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5094
Phone: (603) 223-2541 Fax: (603) 223-0104
<http://www.fws.gov/newengland>



In Reply Refer To:

June 11, 2019

Consultation Code: 05E1NE00-2019-SLI-0848

Event Code: 05E1NE00-2019-E-04786

Project Name: Rollinsford 41385

Subject: Updated list of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

New England Ecological Services Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5094
(603) 223-2541

Project Summary

Consultation Code: 05E1NE00-2019-SLI-0848

Event Code: 05E1NE00-2019-E-04786

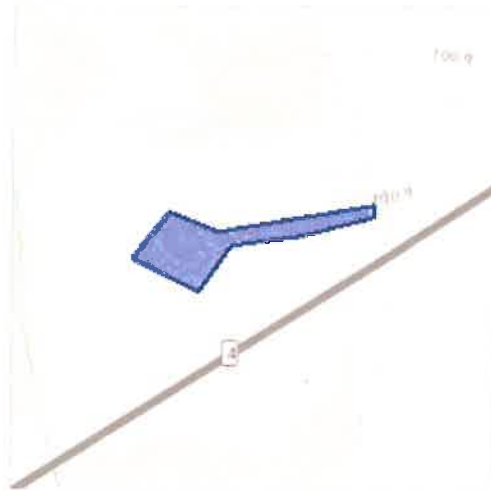
Project Name: Rollinsford 41385

Project Type: TRANSPORTATION

Project Description: Reconstruction of an existing non-directional navigational beacon including the replacement of the ground plane, replacement of associated appurtenances, relocation of the beacon shed, and tree clearing and grubbing.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/43.220292578946186N70.82836570129068W>



Counties: Strafford, NH

Endangered Species Act Species

There is a total of 1 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Mammals

NAME

STATUS

Northern Long-eared Bat *Myotis septentrionalis*

Threatened

No critical habitat has been designated for this species.

Species profile: <https://ecos.fws.gov/ecp/species/9045>

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.



United States Department of the Interior

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IPaC Record Locator: 119-16987891

June 11, 2019

Subject: Consistency letter for the 'Rollinsford 41385' project indicating that any take of the northern long-eared bat that may occur as a result of the Action is not prohibited under the ESA Section 4(d) rule adopted for this species at 50 CFR §17.40(o).

Dear Sarah Large:

The U.S. Fish and Wildlife Service (Service) received on June 11, 2019 your effects determination for the 'Rollinsford 41385' (the Action) using the northern long-eared bat (*Myotis septentrionalis*) key within the Information for Planning and Consultation (IPaC) system. You indicated that no Federal agencies are involved in funding or authorizing this Action. This IPaC key assists users in determining whether a non-Federal action may cause “take”^[1] of the northern long-eared bat that is prohibited under the Endangered Species Act of 1973 (ESA) (87 Stat.884, as amended; 16 U.S.C. 1531 et seq.).

Based upon your IPaC submission, any take of the northern long-eared bat that may occur as a result of the Action is not prohibited under the ESA Section 4(d) rule adopted for this species at 50 CFR §17.40(o). Unless the Service advises you within 30 days of the date of this letter that your IPaC-assisted determination was incorrect, this letter verifies that the Action is not likely to result in unauthorized take of the northern long-eared bat.

Please report to our office any changes to the information about the Action that you entered into IPaC, the results of any bat surveys conducted in the Action area, and any dead, injured, or sick northern long-eared bats that are found during Action implementation.

If your Action proceeds as described and no additional information about the Action’s effects on species protected under the ESA becomes available, no further coordination with the Service is required with respect to the northern long-eared bat.

[1]Take means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct [ESA Section 3(19)].

Action Description

You provided to IPaC the following name and description for the subject Action.

1. Name

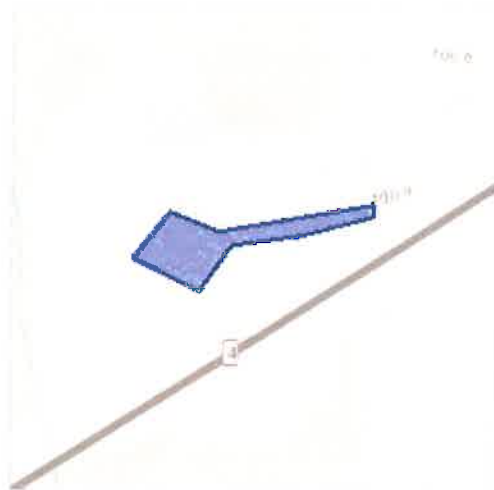
Rollinsford 41385

2. Description

The following description was provided for the project 'Rollinsford 41385':

Reconstruction of an existing non-directional navigational beacon including the replacement of the ground plane, replacement of associated appurtenances, relocation of the beacon shed, and tree clearing and grubbing.

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/place/43.220292578946186N70.82836570129068W>

**Determination Key Result**

This non-Federal Action may affect the northern long-eared bat; however, any take of this species that may occur incidental to this Action is not prohibited under the final 4(d) rule at 50 CFR §17.40(o).

Determination Key Description: Northern Long-eared Bat 4(d) Rule

This key was last updated in IPaC on May 15, 2017. Keys are subject to periodic revision.

This key is intended for actions that may affect the threatened northern long-eared bat.

The purpose of the key for non-Federal actions is to assist determinations as to whether proposed actions are excepted from take prohibitions under the northern long-eared bat 4(d) rule.

If a non-Federal action may cause prohibited take of northern long-eared bats or other ESA-listed animal species, we recommend that you coordinate with the Service.

Determination Key Result

Based upon your IPaC submission, any take of the northern long-eared bat that may occur as a result of the Action is not prohibited under the ESA Section 4(d) rule adopted for this species at 50 CFR §17.40(o).

Qualification Interview

1. Is the action authorized, funded, or being carried out by a Federal agency?

No

2. Will your activity purposefully **Take** northern long-eared bats?

No

3. Is the project action area located wholly outside the White-nose Syndrome Zone?

Automatically answered

No

4. Have you contacted the appropriate agency to determine if your project is near a known hibernaculum or maternity roost tree?

Location information for northern long-eared bat hibernacula is generally kept in state Natural Heritage Inventory databases – the availability of this data varies state-by-state. Many states provide online access to their data, either directly by providing maps or by providing the opportunity to make a data request. In some cases, to protect those resources, access to the information may be limited. A web page with links to state Natural Heritage Inventory databases is available at www.fws.gov/midwest/endangered/mammals/nleeb/nhisites.html.

Yes

5. Will the action affect a cave or mine where northern long-eared bats are known to hibernate (i.e., hibernaculum) or could it alter the entrance or the environment (physical or other alteration) of a hibernaculum?

No

6. Will the action involve Tree Removal?

Yes

7. Will the action only remove hazardous trees for the protection of human life or property?

No

8. Will the action remove trees within 0.25 miles of a known northern long-eared bat hibernaculum at any time of year?

No

9. Will the action remove a known occupied northern long-eared bat maternity roost tree or any trees within 150 feet of a known occupied maternity roost tree from June 1 through July 31?

No

Project Questionnaire

If the project includes forest conversion, report the appropriate acreages below. Otherwise, type '0' in questions 1-3.

1. Estimated total acres of forest conversion:

0

2. If known, estimated acres of forest conversion from April 1 to October 31

0

3. If known, estimated acres of forest conversion from June 1 to July 31

0

If the project includes timber harvest, report the appropriate acreages below. Otherwise, type '0' in questions 4-6.

4. Estimated total acres of timber harvest

0

5. If known, estimated acres of timber harvest from April 1 to October 31

0

6. If known, estimated acres of timber harvest from June 1 to July 31

0

If the project includes prescribed fire, report the appropriate acreages below. Otherwise, type '0' in questions 7-9.

7. Estimated total acres of prescribed fire

0

8. If known, estimated acres of prescribed fire from April 1 to October 31

0

9. If known, estimated acres of prescribed fire from June 1 to July 31

0

If the project includes new wind turbines, report the megawatts of wind capacity below. Otherwise, type '0' in question 10.

10. What is the estimated wind capacity (in megawatts) of the new turbine(s)?

0

NHDOT Cultural Resources Review

For the purpose of compliance with regulations of the National Historic Preservation Act, the Advisory Council on Historic Preservation's *Procedures for the Protection of Historic Properties* (36 CFR 800), the US Army Corps of Engineers' *Appendix C*, and/or state regulation RSA 227-C:9, *Directive for Cooperation in the Protection of Historic Resources*, the NHDOT Cultural Resources Program has reviewed the proposed project for potential impacts to historic properties.

PROJECT PROPOSAL: The project area is located north of Portland Avenue and west of General John Sullivan Way. The goal of the project is for the NHDOT Aeronautics Bureau to replace aging aeronautic navigational features associated with the Skyhaven Airport. The project's footprint will remain within the State's property right of way.

The Bureau of Aeronautics (BoA) proposes the removal of an existing aging (1980s) non-directional navigational aid beacon shed and the grubbing and clearing of the stand of trees surrounding the existing shed. A new shed will be established in a different location within a wetland area closer to where the power line enters the property. This project will also include interception and replacement of communication conduit, ground plane, grounding and power lines to connect infrastructure to the replacement shed.

A new navigational beacon will also be installed, and subsequently covered with humus and seed.

The project will also include maintenance, grubbing and clearing of the existing right of way.



Google aerial map 2019



S:\Environment\PROJECTS\ROLLINSFORD\41385\DRAFT Application materials\Rollinsford 41385 Cultural Resources Review 2.28.2019.docx

Above Ground Review

Known/approximate age of structures:

Outside of the project area, the nearest residence, located at 160 General John Sullivan Way at the northwest corner of the intersection of Portland Avenue and General John Sullivan Way, is a single family home built in 1970.

BoA indicated that the extant Nav. Aid shed was constructed in the 1980's. It is likely the other elements of the aeronautic infrastructure date to the same time period, and consequently they are all less than 50 years old.



Nav. Aid Shed with fence



Right of Way Access



Power Pole

Above Ground Review

☒ **No Potential to Cause Effect/No Concerns**
Structures are less than 50 years old.

☐ Concerns:

Below Ground Review

Recorded Archaeological site: ☐ Yes ☒ No

Nearest Recorded Archaeological Site Name & Number: 27-ST-0006 Garvin Farm Site

☒ Pre-Contact ☐ Post-Contact

Distance from Project Area:
3995 ft (1.2 km) east of project area

☒ **No Potential to Cause Effect/No Concerns**

The proposed project locations were reviewed to determine if there are known archaeological sites in or immediately adjacent; there are none.

Brendan Quigley of Gove Environmental Services (Wetland Delineation Report 9/28/2018) indicates the land surrounding the project area consists of fallow and low use agricultural land in varying states of succession with a wet meadow and scrub-shrub wetland covering most of the area. The project area with the equipment shed represents a relatively small upland and there were no ordinary high water or top of bank delineations needed. Soils across the site are silty and exhibit strong hydric soil indicators.

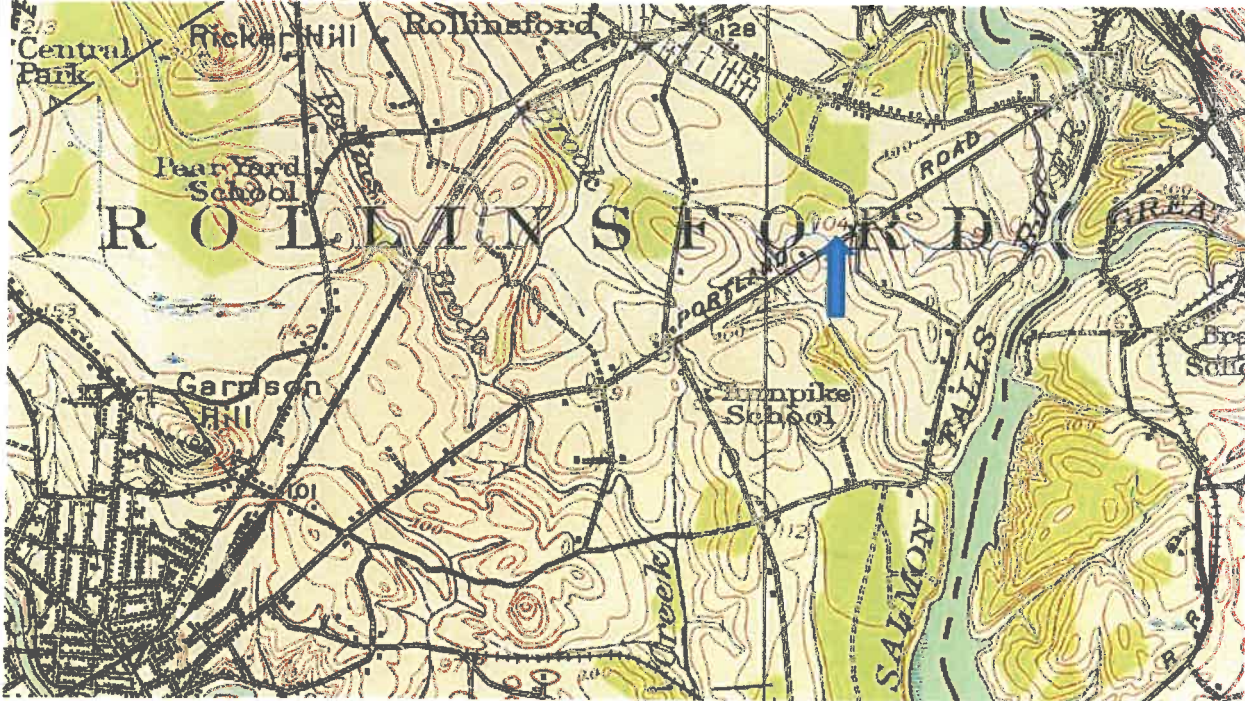
Cartographic Review

Cartographic Review was conducted. Little variation is seen over time between the 19th and 20th centuries. The historic maps consistently depict no structure in the project area, although there is a

structure east of the project area at the northwest quadrant of the intersection of Portland Avenue (aka Portland Turnpike) and General John Sullivan Way.

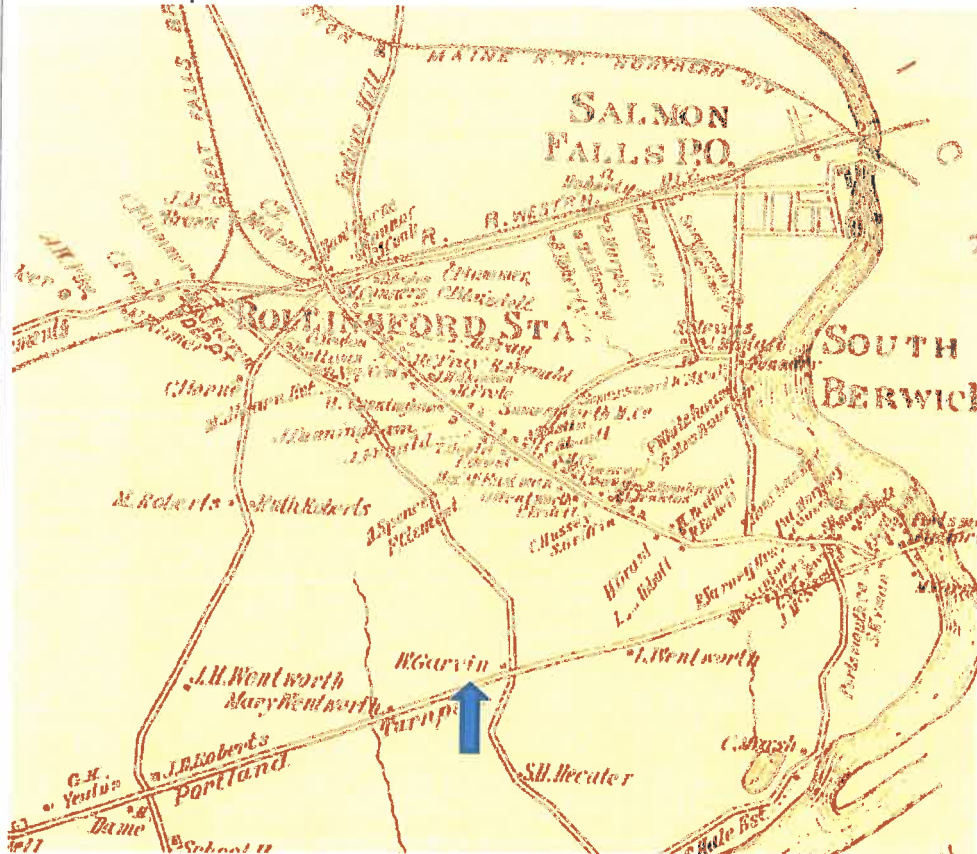
The 1956 and 1918 USGS Dover, NH topographic quadrangles reveal the Portland Avenue and General John Sullivan Way intersection with one structure east of the project area in the northwest quadrant of the junction.

1918 USGS Dover, NH topographic quadrangle



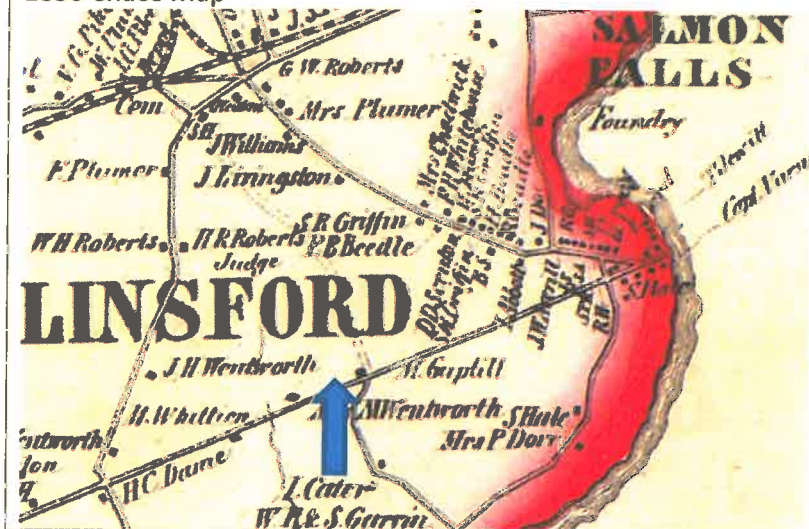
The 1892 Hurd Map depicts the historic road alignments that generally correspond to the contemporary road corridors in the project vicinity. To the east of the project area approximately at the northwest quadrant of the junction of Portland Turnpike and the General John Sullivan Way, a historic structure is depicted, associated with W. Garvin.

1892 Hurd Map



The 1856 J. Chace Map depicts Portland Avenue and the General John Sullivan Way as an unimproved road corridor. To the east of the project area approximately at the northwest quadrant of the road intersection, a historic structure is depicted associated with M. Guptill.

1856 Chace Map



☐ Concerns:**Summary:**

There are no above ground concerns as the structures are less than 50 years old.

There are no below ground concerns.

Historic and archaeological review did not identify high archaeological sensitivity as there are no known archaeological sites in the project area or near vicinity, and 19th and 20th century maps did not disclose the presence of a historic structure in the project area. It is likely the project area was formerly associated with the historic structure and activities associated with the property at the northwest corner of Portland Avenue and General John Sullivan Way. The project area would most likely have been utilized for agricultural purposes in those locations that provided adequate drainage.

Due to the small footprint associated with removing and then erecting a new shed in another location, replacing beacon, and the maintenance activities within the existing right of way, there are no concerns.

Reviewed by:

2/28/2019

NHDOT Cultural Resources Staff_____
Date:



**US Army Corps
of Engineers**[®]
New England District

**New Hampshire General Permits (GPs)
Appendix B - Corps Secondary Impacts Checklist
(for inland wetland/waterway fill projects in New Hampshire)**

1. Attach any explanations to this checklist. Lack of information could delay a Corps permit determination.
2. All references to “work” include all work associated with the project construction and operation. Work includes filling, clearing, flooding, draining, excavation, dozing, stumping, etc.
3. See GC 5, regarding single and complete projects.
4. Contact the Corps at (978) 318-8832 with any questions.

1. Impaired Waters	Yes	No
1.1 Will any work occur within 1 mile upstream in the watershed of an impaired water? See http://des.nh.gov/organization/divisions/water/wmb/section401/impaired_waters.htm to determine if there is an impaired water in the vicinity of your work area.*		No
2. Wetlands	Yes	No
2.1 Are there are streams, brooks, rivers, ponds, or lakes within 200 feet of any proposed work?	Yes, Sligo Brook	
2.2 Are there proposed impacts to SAS, special wetlands. Applicants may obtain information from the NH Department of Resources and Economic Development Natural Heritage Bureau (NHB) DataCheck Tool for information about resources located on the property at https://www2.des.state.nh.us/nhb_datacheck/ . The book Natural Community Systems of New Hampshire also contains specific information about the natural communities found in NH.		No
2.3 If wetland crossings are proposed, are they adequately designed to maintain hydrology, sediment transport & wildlife passage?	NA	
2.4 Would the project remove part or all of a riparian buffer? (Riparian buffers are lands adjacent to streams where vegetation is strongly influenced by the presence of water. They are often thin lines of vegetation containing native grasses, flowers, shrubs and/or trees that line the stream banks. They are also called vegetated buffer zones.)		No
2.5 The overall project site is more than 40 acres?		No
2.6 What is the area of the previously filled wetlands?	NA	
2.7 What is the area of the proposed fill in wetlands?	329	
2.8 What is the % of previously and proposed fill in wetlands to the overall project site?	NA	
3. Wildlife	Yes	No
3.1 Has the NHB & USFWS determined that there are known occurrences of rare species, exemplary natural communities, Federal and State threatened and endangered species and habitat, in the vicinity of the proposed project? (All projects require an NHB ID number & a USFWS IPAC determination.) NHB DataCheck Tool: https://www2.des.state.nh.us/nhb_datacheck/ USFWS IPAC website: https://ecos.fws.gov/ipac/location/index	Yes	

3.2 Would work occur in any area identified as either “Highest Ranked Habitat in N.H.” or “Highest Ranked Habitat in Ecological Region”? (These areas are colored magenta and green, respectively, on NH Fish and Game’s map, “2010 Highest Ranked Wildlife Habitat by Ecological Condition.”) Map information can be found at: <ul style="list-style-type: none"> • PDF: www.wildlife.state.nh.us/Wildlife/Wildlife_Plan/highest_ranking_habitat.htm. • Data Mapper: www.granit.unh.edu. • GIS: www.granit.unh.edu/data/downloadfreedata/category/databycategory.html. 		No
3.3 Would the project impact more than 20 acres of an undeveloped land block (upland, wetland/waterway) on the entire project site and/or on an adjoining property(s)?		No
3.4 Does the project propose more than a 10-lot residential subdivision, or a commercial or industrial development?		No
3.5 Are stream crossings designed in accordance with the GC 21?		
4. Flooding/Floodplain Values	Yes	No
4.1 Is the proposed project within the 100-year floodplain of an adjacent river or stream?	NA	
4.2 If 4.1 is yes, will compensatory flood storage be provided if the project results in a loss of flood storage?	NA	
5. Historic/Archaeological Resources		
For a minimum, minor or major impact project - a copy of the Request for Project Review (RPR) Form (www.nh.gov/nhdhr/review) with your DES file number shall be sent to the NH Division of Historical Resources as required on Page 11 GC 8(d) of the GP document**	Yes	

*Although this checklist utilizes state information, its submittal to the Corps is a Federal requirement.

** If your project is not within Federal jurisdiction, coordination with NH DHR is not required under Federal law.



Right of Way Access
Temporary Impacts to Wet Meadow
Trees around the relocated shed that will be
cleared



Right of Way Access
Temporary Impacts to Wet Meadow



Right of Way Access
Temporary Impacts to Wet Meadow



Trees around the relocated shed that will be
cleared.



Power Pole approximately 100 ft from the existing shed.



Power Pole approximately 100ft from the existing shed



Existing Navigational Aid Shed with fence



Existing Navigational Aid Shed with fence



Existing Navigational Aid Shed with fence

Construction Sequence Narrative:

1. Obtain approved wetland permit from NHDES.
2. Setup erosion control devices such as silt fence and compost socks as according to Erosion Control Plan.
3. Install temporary gravel construction entrance/exit at the access road along General John Sullivan Way.
4. Clear trees and grub site to NHDOT property lines (see plan), grade and vegetate as soon as possible (or as according to approved NHDES wetland permit).
5. Excavate area for relocated shed foundation.
6. Construct new foundation and piers for relocated shed.
7. Relocate shed to new foundation and remove chain-link fence.
8. Excavate for new double ¾-inch conduit from shed to center of ground plane.
9. Excavate from the pole approximately 100 feet from the existing shed to the new shed for a new 2-inch communication line conduit (solid orange line on plan).
10. Reconstruct ground plane and install grounding rods.
11. Intercept and reconnect power service to new shed location.
12. Relocate communication lines to new shed location.
13. Repair shed walls, reconstruct roof, and install new locking door.
14. Install concrete pad for antenna tuning unit (ATU) and antenna anchor at the center of the ground plane.
15. Install ATU and screening fence at the center of the ground plane.
16. Remove all temporary measures, fine grade site and restore right-of-way access road, and applying humus (if needed) as well as turf establishment with mulch to establish vegetation on the disturbed areas.

Erosion Control Plan:

1. Appropriate wetland erosion control measures will be adopted and implemented in order to protect the wetland areas.
2. Sediment fencing will be used throughout the project such as silt fence and compost socks.
3. All erosion and sediment control measures will be inspected weekly and after rainfall events (or as according to NHDES applicable wetlands permit).
4. A temporary gravel construction entrance and exit road along the right of way will be installed in order to minimize potential tracking of sediment off of the site and also to minimize wetland disturbance throughout the construction period.
5. All disturbed areas will be vegetated as soon as possible (or as according to NHDES applicable wetlands permit) in order to minimize any potential impacts to the wetland.

Wetland Impact Summary								
Wetland Number	Wetland Classification	Location	Area Impacts					
			Permanent				Temporary	
			N.H.W.B (Non-Wetland)		N.H.W.B & A.C.O.E (Wetland)			
			SF	LF	SF	LF	SF	LF
1	PEM2B	A					25129	
2	PSS1B	B			329		13808	
		Total			329		38937	

Permanent Impacts: 329 SF
 Temporary Impacts: 38937 SF
 Total Impacts: 39266 SF

Rollinsford, #41385



0 80 160 320 Feet

Source: LiDAR derived NHGranit

1:1,440

REVISIONS AFTER PROPOSAL				DESCRIPTION
NUMBER	DATE	STATION	STATION	

SDR PROCESSED	DATE
NEW DESIGN	DATE
SHEET CHECKED	DATE
AS-BUILT DETAILS	DATE

